

Bluetooth USB Adapter,  
**Parani™ SD1000U**



## Features

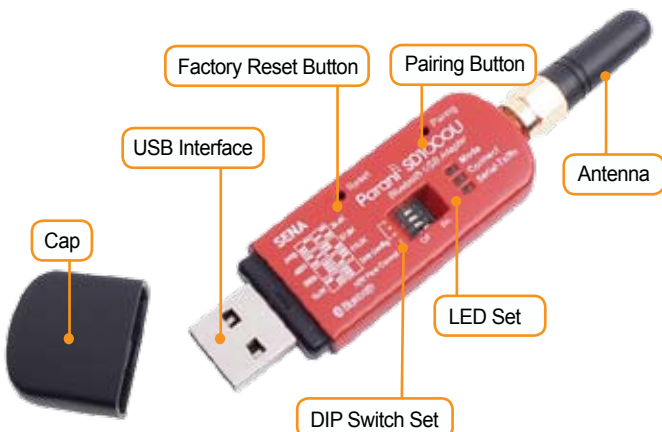
- Bluetooth Specification v2.0 + EDR Class 1
- Working distance (In an open field): Normally 300 meters, up to 1000m using patch antenna
- USB 2.0 interface
- Supports Windows, Linux, Mac OS and Windows CE.NET operating systems.
- No Bluetooth driver required.  
(No Toshiba or BlueSoleil driver required.)
- Provides transparent RS232 serial cable replacement for PC
- Supports Bluetooth Serial Port Profile (SPP)
- Supports up to 4 multiple simultaneous connections
- Interoperability with laptops, PDA terminals etc.
- Easy to use Windows configuration tool available.

## The Parani-SD1000U

is a class 1 type Bluetooth USB adapter for Serial Port Replacement that supports 300 meters of wireless transmission distance by default. The working distance can be further extended up to 1000 meters using optional antenna can be replaceable.

It is suitable for industrial and special applications because it can cover longer communication distance (1000m) over other regular Bluetooth USB adapter accessories.

## Exterior



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## Specifications

### Standards

- Bluetooth 2.0+EDR Class 1
- USB 2.0

### Max Transfer Rate

- 3 Mbps (EDR)

### Frequency Range

- 2.402 ~ 2.480GHz

### Transmit Output Power

- +18dBm

### Receive Sensitivity

- Basic 1Mbps: -90dBm
- EDR 2Mbps: -88dBm
- EDR 3Mbps: -87dBm

### Diagnostic LED

- Mode
- Connect
- Serial-Rx/Tx

### Antenna Connector

- RP-SMA

### Antenna Gain

- Default Stub Antenna: 1 dBi
- Optional Dipole Antennas: 3 dBi & 5 dBi
- Optional Patch Antenna: 9 dBi

### Working Distance (In Open Field)

Stub Antenna	- Stub Antenna	300 meters
Dipole Antenna (3 dBi)	- Dipole Antenna (3 dBi)	400 meters
Dipole Antenna (5 dBi)	- Dipole Antenna (5 dBi)	600 meters
Patch Antenna	- Patch Antenna	1,000 meters

### Driver Software

- FTDI(FT232R) USB-Serial driver in public domain (<http://www.ftdichip.com/Drivers/VCP.htm>)
- No Toshiba or BlueSoleil driver required.

### Supported Bluetooth Profiles

- Serial Port Profile (SPP)

### Computer OS Support

- Windows 7
- Windows 7 x64
- Windows Server 2008
- Windows Server 2008 x64
- Windows Vista
- Windows Vista x64
- Windows Server 2003
- Windows Server 2003 x64
- Windows XP
- Windows XP x64
- Windows 2000
- Windows ME
- Windows 98
- Linux
- Mac OS X
- Mac OS 9
- Mac OS 8
- Windows CE.NET (Version 4.2 and greater)

### Environmental

- Operating Temperature: -20°C ~ +70°C
- Storage Temperature: -40°C ~ +85°C
- Humidity: 95% Non-condensing

### Physical properties

- Dimension (L x W x H)
  - 68 mm x 22 mm x 11.5mm (2.6 in x 0.8 in x 0.4 in) without cap
  - 71 mm x 22 mm x 11.5mm (2.7 in x 0.8 in x 0.4 in) with cap
  - 97 mm x 22 mm x 11.5mm (3.8 in x 0.8 in x 0.4 in) with cap&1dBi stub
- Weight: 56 g

### Regulatory Approvals

- FCC, CE, TELEC, KCC, IC, Bluetooth SIG

### Warranty

- 1 year limited warranty

## Ordering Information

### SD1000U-G01 Includes

- Parani-SD1000U
- Stub antenna
- Quick Start Guide
- CD-ROM including Driver, User guide and Data sheet

### Optional Accessories

- SAT-G01R: 1 dBi Stub Antenna - RP-SMA Plug Right-hand Thread
- DAT-G01R: 3 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- DAT5-G01R: 5 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- PAT-G01R: 9dBi Patch Antenna with RP-SMA Plug Right hand Thread Default Cable. (SMA Jack Right hand Thread w/o Default Cable)
- SEC-G01R: 15cm Extension Cable (For SAT-G01R / DAT-G01R / DAT5-G01R)
- RFC-G01R: 1m Extension Cable (For PAT-G01R)

**For more information,**  
 please visit us at <http://www.sena.com>

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